



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	6.08	7.63	9.47	11.60	14.05	16.75	17.90	19.75	21.40	23.00
35.0	5.72	7.16	8.91	10.95	13.35	16.00	17.15	19.00	20.60	22.30
40.0	5.40	6.71	8.33	10.30	12.55	15.15	16.30	18.10	19.70	21.30
45.0		6.28	7.75	9.56	11.70	14.20	15.30	17.10	18.65	20.30
50.0			7.20	8.84	10.85	13.20	14.25	15.95	17.45	19.05
55.0				8.12	9.94	12.15	13.15	14.75	16.20	17.75
60.0					9.04	11.05	11.95	13.45	14.85	16.30
65.0					8.16	9.94	10.80	12.15	13.45	14.80
67.0						9.50	10.30	11.65	12.85	14.20

50 Hz

ZRH61KJE-TFD

R407C Dew Point

Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	2.47	2.59	2.73	2.89	3.05	3.22	3.29	3.40	3.48	3.57
35.0	2.70	2.82	2.96	3.12	3.28	3.45	3.51	3.61	3.70	3.78
40.0	2.95	3.08	3.22	3.38	3.54	3.70	3.77	3.86	3.94	4.02
45.0		3.38	3.53	3.68	3.84	3.99	4.06	4.15	4.22	4.29
50.0			3.87	4.02	4.18	4.33	4.39	4.48	4.55	4.61
55.0				4.42	4.57	4.72	4.78	4.86	4.92	4.98
60.0					5.02	5.16	5.22	5.29	5.35	5.41
65.0					5.53	5.67	5.72	5.79	5.85	5.90
67.0						5.89	5.94	6.01	6.07	6.12

Cond °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	3.98	4.10	4.25	4.42	4.60	4.80	4.88	5.00	5.09	5.19
35.0	4.20	4.33	4.49	4.66	4.85	5.04	5.12	5.24	5.33	5.43
40.0	4.47	4.61	4.77	4.95	5.13	5.32	5.40	5.51	5.61	5.69
45.0		4.93	5.10	5.28	5.46	5.65	5.72	5.83	5.92	6.00
50.0			5.49	5.67	5.85	6.03	6.10	6.20	6.29	6.37
55.0				6.12	6.30	6.47	6.54	6.64	6.71	6.79
60.0					6.82	6.99	7.05	7.14	7.21	7.27
65.0					7.42	7.58	7.64	7.72	7.78	7.84
67.0						7.84	7.90	7.98	8.04	8.09

Cond °C	Suction Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	35.50	43.90	53.60	64.70	77.10	90.70	96.50	105.50	113.50	121.50
35.0	35.10	43.20	52.80	63.90	76.60	90.60	96.60	106.00	114.00	122.50
40.0	34.90	42.50	51.90	62.90	75.60	89.90	96.10	105.50	114.00	123.00
45.0		42.10	50.90	61.70	74.30	88.70	95.00	105.00	113.50	122.50
50.0			50.10	60.40	72.70	87.10	93.40	103.50	112.50	121.50
55.0				59.10	70.90	85.10	91.40	101.50	110.50	120.00
60.0					69.10	82.80	89.00	99.10	108.00	118.00
65.0					67.40	80.40	86.40	96.40	105.50	115.50
67.0						79.50	85.40	95.30	104.50	114.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	14.5
Length/Width, mm	487/290
Height, mm	231
Net Weight, kg	52.6
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.77
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	220 x 279 (8.5)
Sound Pressure @ 1m (HT), dBA	69
Sound Power (HT), dBA	80
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
High Side PS gauge, bar	28.8
Low Side PS gauge, bar	21
Refrigerant's GWP	1774
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	12
Locked Rotor Current, A	64
Winding Resistance, ohm	2.75
Default Enclosure Class	IP 21/56 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Standard
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ACCESSORIES OPTIONAL

Crankcase Heater	90 W External
Enclosure Class	Acc7607

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TF5	200-220 V / 3~ / 50 Hz	200		Y	2.09
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TF5	200-230 V / 3~ / 60 Hz	230		Y	2.09